

**S3 Table. Associations between BF%-RMSE/BMI-RMSE and the newly diagnosed cardiovascular risk factors in logistic regression model 3**

		Odds ratio (95% confidence interval)			
		Group 1 (0-25 <sup>th</sup> percentile)	Group 2 (26-50 <sup>th</sup> percentile)	Group 3 (51-75 <sup>th</sup> percentile)	Group 4 (76-100 <sup>th</sup> percentile)
BF%-RMSE <sup>†</sup>					
Hypertension <sup>††</sup>	Reference	1.00 (0.84-1.19)	1.03 (0.88-1.22)		<b>1.18** (1.00-1.40)</b>
Dyslipidemia <sup>§§</sup>	Reference	1.15 (0.97-1.35)	0.99 (0.84-1.17)		1.14 (0.96-1.35)
Diabetes Mellitus <sup>***</sup>	Reference	1.02 (0.75-1.40)	0.93 (0.68-1.27)		<b>0.70* (0.50-0.98)</b>
BMI-RMSE <sup>§</sup>					
Hypertension <sup>††</sup>	Reference	1.12 (0.95-1.33)	1.13 (0.97-1.33)		1.11 (0.93-1.32)
Dyslipidemia <sup>§§</sup>	Reference	0.94 (0.80-1.11)	1.04 (0.89-1.21)		1.01 (0.85-1.19)
Diabetes Mellitus <sup>***</sup>	Reference	0.87 (0.63-1.19)	<b>0.76** (0.55-1.03)</b>		0.82 (0.60-1.12)

\*: p<0.05, \*\*: p<0.10

†: Sample size in each BF%-RMSE group    Group1; n=2,620, Group 2; n=2,851, Group3; n=3,044, Group4; n=2,766.

§: Sample size in each BMI-RMSE group    Group1; n=2,875, Group 2; n=2,684, Group3; n=3,123, Group4; n=2,599.

††: Hypertension is adjusted for age, sex, dyslipidemia in 2009, diabetes mellitus in 2009, BMI, (for BF%-RMSE) BF%-slope, and (for BMI-RMSE) BMI-slope.

§§: Dyslipidemia is adjusted for age, sex, hypertension in 2009, diabetes mellitus in 2009, BMI, (for BF%-RMSE) BF%-slope, and (for BMI-RMSE) BMI-slope.

\*\*\*: Diabetes Mellitus is adjusted for age, sex, hypertension in 2009, dyslipidemia in 2009, BMI, (for BF%-RMSE) BF%-slope, and (for BMI-RMSE) BMI-slope.